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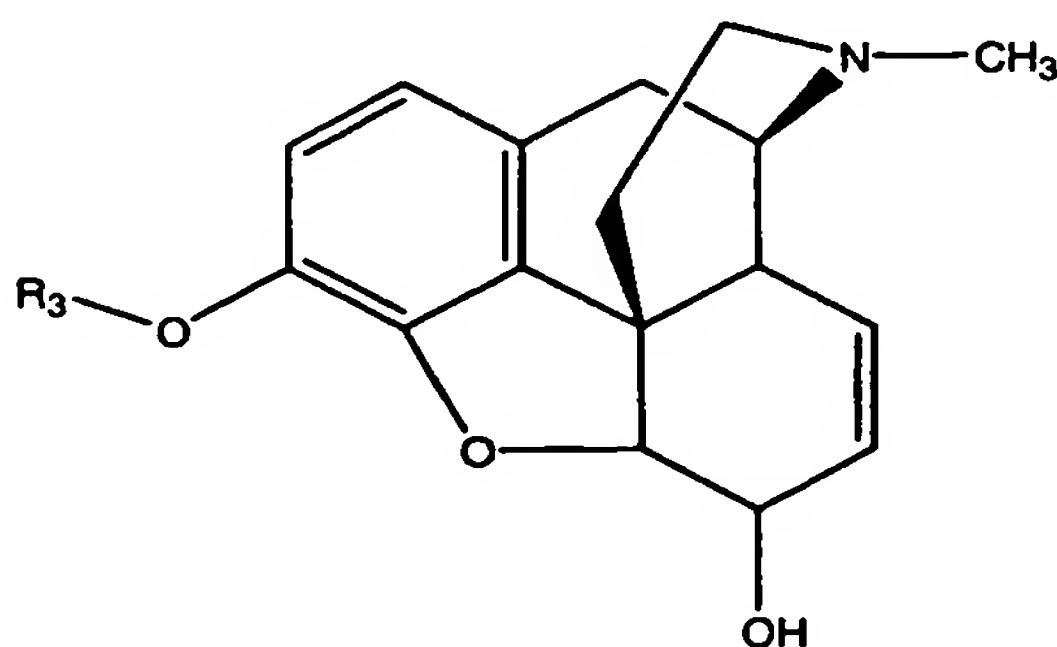
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(54) Title: METHODS FOR MAKING 3-O-PROTECTED MORPHINONES AND 3-O-PROTECTED MORPHINONE DIENOL
CARBOXYLATES



(57) Abstract: Disclosed are methods for making aldehy-
des and ketones comprising allowing the corresponding pri-
mary or secondary alcohol to react in the presence of tri-
chloroisocyanuric acid, a compound of formula R_1SR_2 and
a base. In one embodiment, the alcohol is a compound of
formula (I) wherein R_3 is a protecting group. Also disclosed
are methods for making 3-O-protected morphine dienol car-
boxylates comprising allowing a compound of formula (I) to
oxidize in the presence of a chlorine-containing compound
and a compound of formula R_1SR_2 ; and allowing the prod-
uct of the oxidation step to react with an acylating agent.

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